Date: Mon, 17 May 93 21:06:10 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #599
To: Info-Hams

Info-Hams Digest Mon, 17 May 93 Volume 93 : Issue 599

Today's Topics:

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 17 May 93 23:43:43 GMT
From: world!sharon@uunet.uu.net
Subject: Cuba & QSLs
To: info-hams@ucsd.edu

CSMSCST@MVS.OAC.UCLA.EDU (Chris Thomas) writes:

>I suggest finding a VE or XE who is willing to help you - the US
>doesn't have direct mail service with Cuba, while both Canada and
>Mexico do.

Really? I have sent and received QSL cards with photos, letters, and

postcards to and from Cuba. It takes a long time, but worked fine for
me to QSL direct from the States.

Sharon KC1YR

--
Sharon Machlis Gartenberg
Framingham, MA USA
e-mail: sharon@world.std.com

Date: 17 May 93 18:25:18 EST
From: titan.ksc.nasa.gov!k4dii.ksc.nasa.gov!user@ames.arpa
Subject: Don't get ripped off by a G5RV
To: info-hams@ucsd.edu

In article <C76qon.5vC@news.cso.uiuc.edu>, ignacy@misz.animal.uiuc.edu
wrote:
> In <1111@auratek.UUCP> epacyna@auratek.UUCP (Edward Pacyna) writes:
> ......
> >The G5RV is not a multiband antenna. Using MININEC,
> >........The G5RV is now part antenna and part dummy load.
>
> ....Observation has priority over theory!

Ignacy-

I agree with you to an extent. I recall that there was an antenna on the
market a few years ago, that had specs that were too good to be true. It
was later found to have a resistor inside the matching network, that
limited the maximum impedance. Is there by any chance a "mysterious"
matching network on the G5RV?

73, Fred, K4DII

fred-mckenzie@ksc.nasa.gov

Date: 17 May 93 23:22:06 GMT
From: yuma!galen@purdue.edu
Subject: Don't get ripped off by a G5RV: OPINION TO THE CONTRARY.
To: info-hams@ucsd.edu

In article <1111@auratek.UUCP> epacyna@auratek.UUCP (Edward Pacyna) writes:
>The G5RV is only an antenna on 20M. On this band its a 3/2 wavelength antenna
>and the SWR is 2.8:1. If you look in transmission line chapter of the ARRL

>handbook, you will find a table showing the loss per 100' of popular coax
>feedlines. The loss is specified for matched 50 ohm systems. So you'll also
>need to look at the graph that shows the incremental loss due to SWR that must
>be added. Note: SWR's only up to 20:1 are shown. Because its a 3/2 wave length
>the G5RV has a little bit of gain on 20M which is offsett by the transmission
>line loss. So the G5RV on 20M works no better than a more compact 20M dipole.
>The G5RV is not a multiband antenna. Using MININEC, I modeled this antenna
>and the SWR is much to high to be using coax feed. The SWR varied between
>50:1 to 100:1 on all the other bands! The transmission line loss now becomes
>significant. The G5RV is now part antenna and part dummy load. Your 100W
>station is now QRP. With a 6dB loss, only 6.25W will reach the your antenna;
>and a 9 dB loss will only get 3W (97% loss) to the antenna.
>Also, under high SWR conditions, the voltages on the line become quite high.
>Running high power on this antenna will exceed the voltage rating of most
>popular coax.
>73's
>Ed W1AAZ

All this theory is nice, but my G5RV has an SWR of less than 6:1 on all
the bands it was advertised for. I use a tuner, getting SWR of 1:1 where-
ever I want to use it. I consistantly get good reports on 75 and 40 meters,
(5-9 in Japan on 75m on 5-16-93) I've worked all continents on 20m, It will
tune to 1:1 on 17m, and I've worked Europe and Japan on both 15 and 10m.
If you put the thing up high enough and straight enough, it works. You may
not want to call it an antenna so you don't miff the purists, but it works
and it works just fine.

I use 100-140 watts, because I don't need any more.

Just MY opinion,
Galen Watts, KF0YJ

Date: 17 May 93 17:24:28 GMT
From: olivea!gossip.pyramid.com!pyramid!infmx!moose!randall@ames.arpa
Subject: HF USED RIG PRICES: Results
To: info-hams@ucsd.edu

Here are the latest results of my used HF rig surveys. I've
included 6m rigs, as I got a couple of responses on those. If
you have bought or sold a used HF rig in the past 3 years, I
would like to hear from you. I would like the make and model
of the rig, the method of sale (Usenet, retailer, hamfest, etc.),
price, add-ons included, and condition.

I have absolutely no affiliation with any ham-radio-related
business.

Make Model	How Sold	Price	Extras	Comment
COBRA				
148	Hamfest Foothl	$70	None	CB convrtd to 10m
COLLINS				
75S3B/32S1	Usenet	$500	Spkr,PS	good condn
DRAKE				
TR-3	Retailer	$300	None	fair condn
TR-5	Internet	$300	CW flt,PS	good condn
TR-4	Hamfest Foothl	$275	spkr,mic,PS	fair condn
TR-4	Hamfest Foothl	$300	spkr,mic,PS	fair condn
TR-7	Usenet	$600	3 flt, PS	
HEATHKIT				
HW-8	Hamfest	$75	none	no manual,need align
HW-101	Private	$125	CW flt,mic,PS,spkr	good condn
SB-101	Usenet	$110	CW flt	good condn
HAMMERLUND				
HQ-145	Private	$45	none	good condn
HQ-145	Private	$85	none	good condn
HQ-170	Hamfest TRW	$250	spkr	new condn
HENRY/TEMPO				
One	Hamfest NC	$140	none	fair condn
2020	NutsVolts	$75	none	fair condn
ICOM				
IC-551	Private	$350	FM	6m rig, new condn
IC-720A	Hamfest Lvrmr	$400	CW flt	near new condn
IC-735	Usenet	$600	None	good condn
IC-735	Private	$800	Keyer,ext spkr	1 yr old, w/paddle
IC-740	Dayton	$650	CW flt	good condn
IC-745	Usenet	$600	PS,keyer,CW flt	good condn
IC-745	Dayton	$650	PS,keyer,CW flt	good condn
IC-751	Retailer	$700	CW flt	new condn

IC-751	Hamfest NC	$750	PS,CW flt,keypd	w/speech modl
IC-751A	YlloSht	$850	None	1 yr old
IC-751A	Retailer	$1150	PS,CW/SSB flt	good condn
JOHNSON				
ValiantI	Hamfest TRW	$150	None	fair condn
VikRanger	Hamfest TRW	$100	None	fair condn
KENWOOD				
TS-120S	OnAir	$300	none	fair condn
TS-120S	Usenet	$350	PS	fair condn
TS-430S	Private	$500	none	good condn
TS-430	Private	$600	FM bd	good condn
TS-520	OnAir	$300	None	good condn
TS-520S	Private	$300	Heath amp,mic	FC, good condn
TS-520	Private	$450	Heath amp,mic	good condn
TS-520SE	YlloSht	$350	VFO, spkr	
TS-530S	Private	$550	spkr,desk mic	good condn
TS-820S	Usenet	$575	CW flt	prob with display
TS-830S	Hamfest LA	$600	none	good condn
TS-830S	Hamfest Cincin	$600	none	good condn
TS-940S	Usenet	$1150	spkr,desk mic, ant tunr,CW flt	good condn
RADIO SHACK				
HTX-100	Hamfest Foothl	$150	none	sale in 1991
HTX-100	Retailer	$159	none	RdoShk tent sale
TEMPO/HENRY				
One	Hamfest NC	$140	none	fair condn
2020	NutsVolts	$75	none	fair condn
TEN-TEC				
Triton IV	YlloSht	$200	None	
Triton IV	YlloSht	$300	PS,CW flt, NL	No mic, good condn
Triton IV	YlloSht	$300	PS,CW flt, NL,mic	
UNIDEN				
HR-2600	Usenet	$160	None	Good condn
YAESU				

FT101B	Private	$400	scope,PhP,spkr,FC	Good condn
FT101E	Usenet	$350	none	
FT101EE	Retailer	$400	none	w/warranty,fair condn
726R	Retailer	$950	6m,2m,70cm	6m+VHF rig
FT747GX	Retailer	$550	CW flt	good w/warranty

ABBRIEVIATIONS

Amp	Linear amplifier
Bd	Board
FC	Frequency Counter
Flt	Filter
Foothl	Foothill hamfest (California)
Lvrmr	Livermore, California
mic	Desk mic
NC	North Carolina
NL	Noise limiter
NutsVolts	Nuts and Volts Periodical
OnAir	Sold through on-the-air contact or packet
PhP	Phone Patch
PS	Power Supply
TRW	TRW Swap Meet (Los Angeles CA)
YlloSht	Yellow Sheet Ham Trader Periodical

--

=-=
Randall Rhea   Informix Software, Inc.
Project Manager, MIS Sales/Marketing Systems   uunet!pyramid!infmx!randall

----

Date: 17 May 93 23:16:39 GMT
From: ogicse!uwm.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!hpscit.sc.hp.com!cupnews0.cup.hp.com!genem@network.UCSD.EDU
Subject: How's a Honda Accord w/50W VHF?
To: info-hams@ucsd.edu

Gene Marshall (genem@cup.hp.com) wrote:

: Anyway, from another Camry owner, I heard everything should be ok below
: 100W. Can anyone add to this or will my car be 'taken out' buy a passing
: ham two-lanes away :)

For anyone interested... I heard from Toyota. Attached is their
statement:

Attachment
2-WAY RADIOS IN TOYOTA VEHICLES

Installation of a 2-way radio in Toyota vehicles should not present problems under the the following conditions

The transceiver must be type-accepted by the fCC, and not modified in any way

Maximum output power complies with FCC regulations (100 watts)

All installation and operating instructions provided by Toyota and the equipment manufacturer must be follow-d closely

The antenna must be installed as far away as possible from all vehicle electronic control modules (ECM) or other onboard computer/sensors

The antenna cabling must be routed no closer than 20 cm (7-7/8 inches) to any ECM or other onboard computers/sensors.

Antenna and power cabling must not be routed along side or in conjunction with the vehicles wire harness It is always preferable to cross vehicle harness at right angles when possible. Antenna and antenna cabling should be properly adjusted to obtain the lowest possible standing wave ratio (SWR)

Note

Toyota repair manuals will be revised in the 1994 model year to include this information The current "10 watts maximum power" limitation will be deleted.

It must be emphasized that, under the terms of Toyota's new vehicle warranty, any damage caused by RF energy from a higher power mobile radio is specifically excluded from coverage because it is not the result of faulty materials or workmanship Accordingly, all such responsibility is assumed by the owner

--

+---+
|Gene Marshall   \-\-\   email: genem@cup.hp.com |
Hewlett Packard Co., MS 42UN	Tel: 408/447-5282
Software Technology Division	Fax: 408/447-5039
11000 Wolfe Road	AA6IY@N6LDL.CA.USA.NA
Cupertino, CA 95014 /	\ Bay Area: 147.39+ / 223.96-
+---+

Date: Tue, 18 May 1993 03:46:23 GMT
From: usc!zaphod.mps.ohio-state.edu!darwin.sura.net!emory!sol.ctr.columbia.edu!
news.kei.com!news.oc.com!csci-wiermac.etsu.edu!user@network.UCSD.EDU
Subject: N/Tx <--S/Tx Duct
To: info-hams@ucsd.edu

On Sunday evenings after midnight, all the Dallas tv stations
seem to simultaneously go off the air (at least 13 an above).

I noted last night (the 16th) to my suprise about 2 am I turned on the
set and got snowy but watchable pictures on Channel 39.
Now, since I live about 60 miles from the DFW transmitter
hill to the N.E (town named Greenville)
and since I refuse to pay the local cable co's extorted
rates, I have rabbit ears inside an apartment for pickup.

I was SUPRISED when I found I was looking at KHOU
in Houston! It was pretty stable - would fade out for maybe
a minute and then be back for 5.

The next morning about 6:30 am, I took at look at channel
11, and there was KHOU AGAIN! Strong enough this
time to kick in the color subcarrier detector to give me
a color picture. Not even the DFW channel 11 normally
does this for me.

Question to someone in Houston. Does KHOU have TWO
channels (11 & 39) or would I have been seeing a translator
on 39 from somewhere? Any clue where it might have been?

73's de WB5KXH
======== insert usual disclaimers here ============
  Bob Wier, East Texas State U., Commerce, Texas
  wier@merlin.etsu.edu (watch for address change)

Date: 18 May 1993 01:09:05 GMT
From: sdd.hp.com!col.hp.com!csn!news.sinet.slb.com!news.San-Jose.ate.slb.com!
jones@network.UCSD.EDU
Subject: question about Radio Shack 2-MTR HT
To: info-hams@ucsd.edu

Pat Masterson (bat@gdstech.GRUMMAN.COM) wrote:
: Throughput degrades. We all lose. The solution is for ALL antennas

: to be high, and transmitters running 20 watts minimum. (easy for me,
: I'm rich).

You don't have to be rich to afford a decent antenna. I recently built a
j-pole out of copper pipe, and it cost me less than $20 _including_ the tubing
cutter (I already had a propane torch). The "mount" is currently just having
the "tail" stuck down one of the vent pipes on the roof. In my area, I don't
have to worry about antenna restrictions, but even if I did, this antenna,
with maybe a little paint, would be easy enough to hide in a tree or something.

Admittedly, the 20 watts would be a bit more expensive. I'm currently using
5W out of my HT, but will go to about 10 when I get the proper xtals for the
old HW-202.
--
Disclaimer: The opinions expressed above are mine and not those of Schlumberger
because they are NOT covered by the patent agreement!

Phone: (602) 345-3638   Internet: jones@sj.ate.slb.com
Packet: N7RPQ@K7BUC.AZ.USA.NA   RF: N7RPQ
Snail: Clark Jones, Schlumberger Technologies, 7855 S. River Pkwy #116, Tempe,
       AZ 85284-1825

Date: Mon, 17 May 93 18:33:25 PDT
From: almaden.ibm.com@uunet.uu.net
Subject: RACES Bulletin #274
To: info-hams@ucsd.edu

Bid : $RACESBUL.274

TO: ALL EMERGENCY MANAGEMENT AGENCIES VIA AMATEUR RADIO
INFO: ALL RACES OPERATORS IN CA (ALLCA: OFFICIAL)
       ALL AMATEURS U.S.   (@ USA: INFORMATION)
FROM: CA STATE OFFICE OF EMERGENCY SERVICES (W6HIR @ WA6NWE.CA)
       2800 Meadowview Rd., Sacramento, CA 95832 (916)262-1600
       Landline BBS open to all: (916) 262-1657
RACESBUL.274   DATE: May 17, 1993
SUBJECT: MGT - The committed volunteer - Part 3/3
    Other people may serve only when they are needed to perform
INFREQUENT and usually unscheduled tasks. A few examples include
extra operators for a major incident, installation or maintenance
activity, computer programmers, special projects, etc. I use as
an example one volunteer we have who is a computer communications
program expert. If a terminal hangs up we may need his advice
fast. One phone call and the problem is usually cleared in
minutes. His advice is invaluable and priceless. He does not come

in to the office and serve. He may respond into the field on an incident perhaps once a year. But you can see how it's impossible to put a price tag on his value to us without his having to meet radio nets or serve some expected hours per month.

You and, more importantly, your Radio Officer will know the capabilities and talents of each volunteer. It's your Radio Officer's responsibility to recruit enough people with the likes and skills to provide depth and redundancy.

As your Radio Officer's supervisor it is your role to motivate, lead and inspire. Let your volunteers be the best they can be --- and they will!

--- Stan Harter, KH6GBX

EOM

RACES Bulletins are archived on the Internet at ucsd.edu in hamradio/races and can be retrieved using FTP.

Date: 17 May 93 17:39:35 GMT
From: gossip.pyramid.com!pyramid!infmx!moose!randall@decwrl.dec.com
Subject: Radio Shack 70cm HT?
To: info-hams@ucsd.edu

jones@sj.ate.slb.com (Clark Jones) writes:
>No info, though, on the availability. (However, it doesn't make a lot of
>sense to me that they would put out the price tag very much in advance of
>putting out the radio, but then again, I've never been involved with RS
>other than as a cus(s)tomer.

When I worked for RS, they had two major price tag printings per year and one catalog printing per year. This means that price tags can be delivered up to 6 months in advance of having the product. The goal was to get stuff in stock by the Xmas season, so most new products started coming in around September or October. When they introduced the 2m HT, the price tag was seen in stores about 6 months before the product became generally available. I hope that they are quicker with the new 70cm HT, but don't bet on it.

I am very glad to see RS come out with a 70cm HT. Even in the SF area, this band is under-utilized. Hopefully better rig availability will promote the use of this band and help relieve overcrowding on 2m.

73 DE KK6MY

--

=-=
Randall Rhea   Informix Software, Inc.
Project Manager, MIS Sales/Marketing Systems   uunet!pyramid!infmx!randall

----

Date: Sun, 16 May 1993 01:04:20 EST
From: anomaly.sbs.com!kd1nr!news@uunet.uu.net
Subject: Radio Shack 70cm HT?
To: info-hams@ucsd.edu

jones@sj.ate.slb.com (Clark Jones) writes:

> The manager of one of the local RS's is more friendly than the average, and
> a couple of days ago, I asked him about this. He didn't know anything about
> it, but then I told him that someone had said they had seen the price tag
> for the new radio, so he quite obligingly got out his box of spare pricetags,
> and we looked it up. (I think I even had the RS "part number", but can't
> recall it now.) Anyway, from the "bullets" on the pricetag, it looks to
> be the 70CM version of their current 2M radio: 16 memories, ham-band-only
> recieve, same accessories, and a price of $299.95.
>
> No info, though, on the availability. (However, it doesn't make a lot of
> sense to me that they would put out the price tag very much in advance of
> putting out the radio, but then again, I've never been involved with RS
> other than as a cus(s)tomer.

I wonder how much longer it'll be before they put out a dual-bander and
a mobile. Obviously the're realizing that there's some money to be made
on amateur gear. Can you imagine an HF rig from Radio Shack? Kind of
scary really.

Tony
____

  Tony Pelliccio kd1nr/ae   "Usenet is like a herd of performing elephants
  !!*!*!*!*!*!*!*!*!*!*!*   with diarrhea -- massive, difficult to
   system@garlic.sbs.com   redirect, awe-inspiring, entertaining, and a
___________________________ source of mind-boggling amounts of excrement
                             when you least expect it." --spaf (1992)

Date: Mon, 17 May 93 22:20:08 GMT
From: usc!howland.reston.ans.net!torn!nott!cunews!revcan!balsam!
cowan@network.UCSD.EDU
Subject: Thanks to WO1G (or is it W01G ?)

To: info-hams@ucsd.edu

Thanks to Steve for sending me the antenna plan info!

73 de VE3OIJ

--
Darin Cowan - cowan@balsam.pinetree.org | I just try to make people's
VE3 OIJ | lives a little more surreal

Date: 18 May 1993 02:38:43 GMT
From: usc!howland.reston.ans.net!europa.eng.gtefsd.com!news.ans.net!rpi!
rs6324.ecs.rpi.edu!maessm@network.UCSD.EDU
Subject: Why do they DO that?
To: info-hams@ucsd.edu

In article <1993May13.162900.117@muvms6.wvnet.edu>, rcomm@muvms6.wvnet.edu writes:
|> I have been reading quite a lot here about how various HT's and scanners and
|> such are modify-able. As the HTs are concerned, a user may modify the radio to
|> transmit outside of designated amateur bands. My question is WHY do
|> manufacturers knowingly engineer and manufacture radios that can do this? Is
|> it to satisfy the ham's incurable urge to tinker? (i.e. they know hams are
|> going to mess with something, so they provide 'hidden' features so that messers
|> don't REALLY mess up their radio!) Or is there some practical reason that
|> prevents them from engineering a systhesized-tuning radio that can only
|> synthesize ham freqs from the chip level? WHY? WHY? WHY?

If you look at the bands that these radios cover when they are modified, most
of the bandwith is used for commercial interests. For example, my Yaesu FT-26
Will receive 130-174 MHz out of the box and can be modified to transmit over that
range. This frequency range includes the VHF-Hi band for commercial and public
services. The radio will also to odd repeater splits and has an option for PL
encode and decode. Set it up right, and you have a great whiz-bang commercial
radio. Although this is not always true, oftentimes you can get a commercial
radio from one of the big three (Icom in particular) that looks exactly like
one of their ham transceivers, both inside and out, and is type accepted for
commercial operation. For example, one of my friends back home has the com-
mercial version of the Icom W2A. It has the same frequency coverage that you
can get out of a modified W2A. The only difference is that the programming of
the microprocessor is different.

By doing this, manufactureres save on engineering costs, because they get essen-
tially two different radios for two different markets out of one design.
--
Mat Maessen N2NJZ | maessm@rpi.edu

------------------------------ +---------------------------------
disclaimer: Anyone NOT singing will have a can of Foster's lobbed at
their heads.

(c) 1993 Fake-sig Co., Inc.

Date: 17 May 93 17:29:46 GMT
From: olivea!gossip.pyramid.com!pyramid!infmx!moose!randall@decwrl.dec.com
To: info-hams@ucsd.edu

References <LINNIG.93May12075103@m2000.dseg.ti.com>,
<1993May13.204520.3947@ttinews.tti.com>, <14MAY199311153133@cccs.umn.edu>m
Subject : Re: BUY BACK 11 METERS! (was Re: Selling the Airwaves -- News from
Washington

rwh@cccs.umn.edu (RICHARD HOFFBECK) writes:

>In article <1993May13.204520.3947@ttinews.tti.com>, sorgatz@avatar.tti.com (Erik
Sorgatz) writes:
>> This is actually GOOD NEWS in disguise...let's all write the ARRL and
>> lobby for the OUTRIGHT PURCHASE of the 27.4051-28.0 MHz band segment!!
>>
>> In effect let's BUY BACK 11 METERS AS AN AMATEUR ALLOCATION! It's NOT
>> CURRENTLY ASSIGNED. IT'S ADJACENT TO OUR 10 METER ALLOCATION and it's
>> probably not a very attractive area for commercial applications..hence
>> the price should be low enough to allow the Amateur community to afford
>> it without worrying about the CBers outbidding us.

We don't need 11 meters, even if we could get it. We have 12 meters and
10 meters.   12m has better propagation characteristics than 11m and
is much less crowded. 12m and 17m are quiet, friendly islands of sanity
in the overcrowded spectrum.

I don't think 11m is for sale anyway. I believe the proposal is to sell
unallocated bandwidth. There is no way we could outbid Uniden,
Radio Shack, and other CB manufacturers anyway.

--

=-=
Randall Rhea   Informix Software, Inc.
Project Manager, MIS Sales/Marketing Systems   uunet!pyramid!infmx!randall

----

End of Info-Hams Digest V93 #599
****